

ABSTRACT

The invention relates to a method for producing a sealed impregnation and/or release coating of flat joints, in particular of cylinder-head gaskets such as composite seals, metallic joints and multi-layered steel joints. The invention uses a silicone composition including at least a polyorganosiloxane A crosslinkable by a cationic and/or radical process by appropriate crosslinking functional groups, for example, of the alkenyl ether, acrylic, acrylate, epoxide and/or oxethane type; at least an initiator salt B selected among onium borates or an organometallic complex; and at least a reactive diluent C including a non-organosilicon or organosilicon compound comprising in its structure at least a crosslinking functional group and optionally a secondary functional group different from the crosslinking functional group but capable of chemically reacting with a crosslinking functional group, for example of the hydroxyl, alkoxy and/or carboxyl type. In the method, the silicone composition can further include different additives such as a pigment D and/or a mineral filler E and/or a photosensitizer F and/or a stabilizing amino compound G and/or an adherence promoter H.